SAF-RC-030 Remaining Sites Confirmation Sampling Other Solid FINAL VALIDATION PACKAGE

COMPLETE COPY OF VALIDATION PACKAGE TO:

Jeanette Duncan (2)

H9-02

11 04 05 06 MINAL/DATE

COMMENTS:

SDG J00041

SAF-RC-030

Waste Site: 100-D-66



Date:

22 March 2006

To:

Washington Closure Hanford Inc. (technical representative)

From:

TechLaw, Inc.

Project:

Remaining Sites Confirmation Sampling - Other Soil - Waste Site

100-D-66

Subject: Wet Chemistry - Data Package No. J00041-ST

INTRODUCTION

This memo presents the results of data validation on Data Package No. J00041 prepared by Severn Trent (ST). A list of samples validated along with the analyses reported and the method of analysis is provided in the following table.

Sample ID	Sample Date	Media	Validation	Date
J10VK1	1/9/06	Solid	С	See note 1
J10VK2	1/9/06	Solid	С	See note 1

^{1 -} Chromium VI by 7196A.

Data validation was conducted in accordance with the Washington Closure Hanford (WCH) validation statement of work and the 100 Area Remedial Action Sampling and Analysis Plan (DOE/RL-96-22, Rev. 4, February 2005). Appendices 1 through 6 provide the following information as indicated below:

Appendix 1. Glossary of Data Reporting Qualifiers

Appendix 2. Summary of Data Qualification

Appendix 3. Qualified Data Summary and Annotated Laboratory Reports

Appendix 4. Laboratory Narrative and Chain-of-Custody Documentation

Appendix 5. Data Validation Supporting Documentation

Appendix 6. Additional Documentation Requested by Client

DATA QUALITY PARAMETERS

· Holding Times

Analytical holding times for metals are assessed to ascertain whether the holding time requirements were met by the laboratory. The holding time requirements are as follows: Solid samples must be analyzed within 24 hours for chromium VI.

If holding times are exceeded, but not by greater than two times the limit, all associated sample results are qualified as estimates and flagged "J" for detects and "UJ" for non-detects. If holding times are exceeded by greater than two times the limit, all associated detectable sample results are qualified as estimates and flagged "J" and all non-detects are rejected and flagged "UR".

All holding times were acceptable.

000001

· Method Blanks

Method Blanks

Method blank analyses are performed to determine the extent of laboratory contamination introduced through sampling, sample preparation and analysis. At least one acceptable method blank analysis must be conducted for every 20 samples. No contaminants should be present in the method blank. All blank results must fall below the contract required detection limit (CRQL) to be acceptable.

All method blank results were acceptable.

Field (Equipment) Blank

No field blanks were submitted for analysis.

Accuracy

Matrix Spike and Laboratory Control Sample

Matrix spike (MS) and laboratory control sample (LCS) analyses are used to assess the analytical accuracy of the reported data. The matrix spike is used to assess the effect of the matrix on the ability to accurately quantify sample concentrations. Recoveries must fall within the range of 70% to 130%. Samples with a recovery of less than 30% and a sample result below the IDL are rejected and flagged "UR". Samples with a recovery of 30% to 69% and a sample result less than the IDL are qualified "UJ". Samples with a recovery of greater than 130% or less than 70% and a sample result greater than the IDL are qualified as estimates and flagged "J". Finally, for samples with a recovery greater than 130% and a sample result less than the IDL, no qualification is required.

Due to matrix spike recoveries outside QC limits (54% & 33%), all chromium VI results were qualified as estimates and flagged "J".

All other accuracy results were acceptable.

Precision

Laboratory Duplicate Samples

Analytical precision is expressed by the relative percent differences (RPD) between the recoveries of matrix spike duplicate (MSD) analyses performed on a sample in the analytical batch. Precision may alternatively be assessed using unspiked duplicate analyses performed on a sample in the analytical batch. If both sample and replicate activities (concentrations) are greater than five times the CRDL and the RPD is less than 30%, no qualification is required. If either activity (concentration) is less than five times the CRDL, the RPD control limit is less than or equal to two times the CRDL. If the RPD is outside the applicable control limit, associated results are qualified as estimated detects or estimated non-detects.

Due to a matrix spike/matrix spike duplicate RPD outside QC limits, all chromium VI results were qualified as estimates and flagged "J".

Field Duplicate

One set of field duplicates (J10VK1/J10VK2) were submitted for analysis. Field duplicates are compared using the same criteria as for laboratory duplicates. All field duplicate results were acceptable.

Analytical Detection Levels

Reported analytical detection levels are compared against the required quantitation limits (RQLs) to ensure that laboratory detection levels meet the required criteria. All analytes met the RQL.

Completeness

Data package J00041 was submitted for validation and verified for completeness. Completeness is based on the percentage of data determined to be valid (i.e., not rejected). The completion percentage was 100%.

MAJOR DEFICIENCIES

None found.

MINOR DEFICIENCIES

Due to matrix spike recoveries outside QC limits (54% & 33%), all chromium VI results were qualified as estimates and flagged "J". Due to a matrix spike/matrix spike duplicate RPD outside QC limits, all chromium VI results were qualified as estimates and flagged "J". Data flagged "J" indicates that the associated concentration is an estimate, but under the BHI statement of work, the data may be usable for decision-making purposes. All other validated results are considered accurate within the standard error associated with the methods.

REFERENCES

WCH, Contract #20266, Validation Statement of Work, Washington Closure Hanford Incorporated, July 7, 2003.

DOE/RL-96-22, Rev. 4, 100 Area Remedial Action Sampling and Analysis Plan, U.S. Department of Energy, February 2005.

Appendix 1

Glossary of Data Reporting Qualifiers

Qualifiers which may be applied by data validators in compliance with BHI validation SOW are as follows:

- Indicates the compound or analyte was analyzed for and not detected in the sample. The value reported is the sample quantitation limit corrected for sample dilution and moisture content by the laboratory.
- UJ Indicates the compound or analyte was analyzed for and not detected in the sample. Due to a minor QC deficiency identified during the data validation, the associated quantitation limit is an estimate.
- J Indicates the compound or analyte was analyzed for and detected. Due to a minor QC deficiency identified during the data validation, the associated concentration is an estimate, but the data are usable for decision-making purposes.
- BJ Applied to inorganic analyses only. Indicates the analyte concentration was greater than the IDL but less than the CRDL and is considered an estimated value.
- R Indicates the compound or analyte was analyzed for, detected, and due to an identified major QC deficiency, the data are unusable.
- UR Indicates the compound or analyte was analyzed for and not detected in the sample. Additionally, the data is unusable due to an identified major QC deficiency.
- NJ Indicates presumptive evidence of a compound at an estimated value.

 The data may not be valid for some specific applications (i.e., usable for decision-making purposes).
- Indicates presumptive evidence of a compound. The data may not be valid for some specific applications (i.e., usable for decision-making purposes).

Appendix 2 Summary of Data Qualification

WET CHEMISTRY DATA QUALIFICATION SUMMARY*

SDG: J00041		REVIEWER: TLI	Project: 100-D-66	PAGE 1 OF 1
COMMENTS:				
COMPOUND	ı	QUALIFIER	SAMPLES AFFECTED	REASON
All		J	All	MS recovery
All		J	All	RPD

^{* -} The Qualified Data Summary Table includes laboratory applied "U" qualifiers not specifically identified here. The laboratory applied "U" qualifiers are included to minimize misinterpretation of results contained in the table.

Appendix 3

Qualified Data Summary and Annotated Laboratory Reports

Project: WASHINGT	ON CLOSU	RE HANFO	KD	<u> </u>	
Lab: ST	J00041				
Sample Number	J10VK1		J10VK2		
Remarks			Duplicate		
Sample Date		1/9/06		1/9/06	
Wet Chemistry	RQL	Result	Q	Result	Q
Chromium VI	0.5	0.350	Ū	0.350	υ

FORM I

SAMPLE RESULTS

Date: 24-Jan-06

Lab Name:

STL Richland

SDG:

J00041

Collection Date: 1/9/2006 9:15:00 AM

Lot-Sample No.: J6A090208-1

Report No.: 31185 Received Date:

1/9/2006 2:45:00 PM

Client Sample ID: J10VK1

COC No.:

RC-030-042

Matrix:

SOLID

							Ordered by Client Sample ID, Batch No.					
Paragoeter	Remit	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA Action Lev			Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Tetal Sa Size	Aliquet Size	Primary Detector
Batch: 6010446	7196_CR6			Work Order:	HVA3M1AA		Report DB ID: 9HV	A3M10				
HEXCHROME	3.50E-01	UJ		0.0E+00	3.50E-01	mg/kg	N/A	(1.)	1/10/06		2.5	
					Ì		3.50E-01	N/A			G	

No. of Results: 1

Comments:



FORM I

SAMPLE RESULTS

Lab Name:

STL Richland

SDG:

J00041

31185

Collection Date: 1/9/2006 9:15:00 AM

Lot-Sample No.: J6A090208-2

Report No.:

Received Date:

1/9/2006 2:45:00 PM

Date: 24-Jan-06

Client Sample ID: J10VK2

COC No.:

RC-030-042

Matrix:

SOLID

										Ordered by Client Sample ID, Batch No.			
Parameter	Remik	Qual	Count Error (2 s)	Tetal Uncert(2 s)	MDC MDA, Action Lev	Rpt Uz Lc	•	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector	
Batch: 6010446	7196_CR6			Work Order:	HVA3W1AA		Report DB ID: 9HV	A3W10					
HEXCHROME	3.50E-01	υŹ		0.0E+00	3.50E-01	mg/kg	N/A	(1.)	1/10/06		2.5		
							3.50E-01	N/A			G		
· ———————	··												

No. of Results: 1 Comments:

3/20/66

Appendix 4

Laboratory Narrative and Chain-of-Custody Documentation

Certificate of Analysis

Washington Closure Hanford 3190 George Washington Way Richland, WA 99354

January 24, 2005

Attention: Joan Kessner

SAF Number

RC-030

Date SDG Closed

January 9, 2006

Number of Samples

Two (2)

Sample Type

Other Solids

SDG Number

J00041

Data Deliverable

15-Day / Summary

CASE NARRATIVE

I. Introduction

On January 9, 2006, two water samples were received at STL Richland (STLR) for chemistry analysis. Upon receipt, the samples were assigned the following laboratory ID number to correspond with the Washington Closure Hanford (WCH) specific ID:

<u>WCH ID#</u>	STLR ID#	<u>MATRIX</u>	DATE OF RECEIPT
J10VK1	HVA3M	OTHER SOLID	01/9/06
J10VK2	HVA3W	OTHER SOLID	01/9/06

II. Sample Receipt

The sample was received in good condition and no anomalies were noted during check-in.

III. Analytical Results/Methodology

The analytical results for this report are presented by laboratory sample ID. Each set of data includes sample identification information, analytical results and the appropriate associated statistical errors. The requested analyses were:

Chemical Analysis

Hexavalent Chromium by EPA method 7196A

Washington Closure Hanford January 24, 2006

IV. Quality Control

The analytical results for each analysis performed includes a minimum of one laboratory control sample (LCS), one method (reagent) blank, and one duplicate sample analysis. Any exceptions have been noted in the "Comments" section.

QC and sample results are reported in the same units.

V. Comments

Chemical Analysis

Hexavalent Chromium by EPA method 7196A:

The sample matrix spike, matrix duplicate and post digestion spike for this analysis were all below acceptance limits indicating a possible matrix interference. Other than as noted, the LCS, batch blank, sample, sample matrix spikes (J10VK1) and sample duplicate (J10VK1) results are within contractual requirements.

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:

Háns Carman Project Manager

			0112 210												
Washington Closus	re Hanford		CHAIN OF CUS	STODY/S	AMP	LE	ANALY	SIS	REC	OUEST		RO	-030-042	Page <u>l</u>	of <u>i</u>
Collector STANKOVICH/HUDSON			idany Contact like Stankovich	Telepho 531-7					Project Coordinator KESSNER, JH			rice Code	9C		naround
Project Designation Remaining Sites Confirmation	n Sampling - Other Soli	San	noling Location 00-D-1+ (a)			SAF No. RC-030			ir Qualit	y (D)	15 I	Days			
Ice Chest No.			d Logbook No. L-1578-9		COA C10D	OA Method of Shipment ODR16700 Hand Delievered/Gov't Vehicle									
Shipped To Severn Trent Incorporated, F		Off	site Property No.						Bill	of Lading/	Air Bill N	a.			
POSSIBLE SAMPLE HAZA					1				- 1				1		
	J000 1/	,	Preservation	Cool 4C	<u> </u>								_	!	!
Special Handling and/or Storage 76 A 090 208			Type of Containe												
	Dre of	12506	No. of Container(s) ¹					_				1	<u> </u>	
	Volume	60mL													
		SKS 1/10/06		Chromium Max - 7196									 	1	
	SAMPLE ANAI	Lysis													
Sample No.	Matrix *	Sample De	te Sample Time	e here of the second	4 pr. 2 in 4	وحزواجة	gargani e gegan	njarjardirk i	1 100 100	To the Real Property	CARPINE LEVE	AND PACE STORY			Server Core
J10VJ9	OTHER SOLID	क्ष्म पश्चि		_					-	122 2 2009		3 S. C. S.	a participant of the service		Set on it.
J10VK0	OTHER SOLID	BH 1/9/00			1-					•			+	 	
JIOVKI HVASM	OTHER SOLID	1-9-06		×	1			_	一十			1	 -	 	
J10VK2 #Y#3W	OTHER SOLID	1.9.00		X											
CHAIN OF POSSESSI	0N	Sia-19	rint Names					<u> </u>			<u> </u>				Mairix *
Relinguished By/Renzoved From ,	Date/Time 1 444		Spored In Jensen ////	Date Time			IAL INSTR 10-5 ° C		UNS						S=Soil SE=Soliment
nquished By/Removed From	Date/Time	Received By/		Date/Time	1943	•									SO-Selet SI-Shedge W = Water
Relinquished By/Removed From	Date/Time	Received By	Stored In	Date/Time											O=Oil A=Air OS=Drum Solid
Relinquished By/Removed From	Date/Time	Received By	Stored In	Date/Time											DL-Drum Liqui TaTimue WI-Wipe L-Liquid
Relinquished By/Removed From	Date/Time	Received By	Stored in	Date/Time											V=Vegetation X=Other
Relinquished By/Removed From	Date/Time	Received By	Stored In	Date/Time											
LABORATORY Received SECTION	Зу				Title	 -							···	Date/Time	
FINAL SAMPLE Disposal I	dethod				 -		Dispo	sed By						Date/Time	

BHI-EE-011 (08/29/2005)

Clouseau **Nonconformance Memo**



NCM#: 10-07308

NCM initiated By: Debbie Manis

Date Opened: 01/11/2006 Date Closed:

Classification: Anomaly

Status: GLREVIEW

Production Area: Classical Chemistry

Tests: 7196A

Lot #'s (Sample #'s): J6A090208 (1,2), J6A100000

(446),

QC Batches: 6010446

Nonconformance: Other (describe in detail) Subcategory: Other (explanation required)

Problem Description / Root Cause

Name Debbie Manis Date Description

01/11/2006

MS, MSD are below the acceptable limit. Matrix interference, reducing agent present.

Corrective Action

<u>Name</u>

Date

Corrective Action

Debbie Manis

01/11/2006 A PDMS analyzed also had a low recovery. Data reported.

Client Notification Summary

Client

Project Manager

Notified

Response How Notified

Note

Response

Response Note

Quality Assurance Verification

Verified By

Due Date

Status

This section not yet completed by QA.

Notes

Approval History

Date Approved

Approved By

Position

Date Printed: 1/11/2006

Page 1 of 1

000017

Appendix 5

Data Validation Supporting Documentation

VALIDATION LEVEL:	A	В	C	D	Е
PROJECT:	100-D-6C		DATA PACKAG	E: K017	٥
VALIDATOR:	TIT	LAB: 57		DATE: 3/2	2/66
			SDG:	K0170	
		ANALYSES	PERFORMED	******	
Anions/IC	тос	тох	TPH-418.1	Oil and Grease	Alkalinity
Ammonia	BOD/COD	Chloride	Chromium-VI	рН	NO ₃ /NO ₂
Sulfate	TDS	TKN	Phosphate		
SAMPLES/MAT	RIX				
J100	KI JIOU	k 5			
				sold	591
					31680-
1. DATA PA	CKAGE COMPL	ETENESS AND C	ASE NARRATIV	E	~
Technical verificati	on documentation p	resent?			Yes No N/A
Comments:					
2. INSTRUN	MENT PERFORM	ANCE AND CAL	IRRATIONS (Leve	ole D and F)	
	performed on all ins			•	Yes No N/A
	cceptable?				/ /
ICV and CCV check	ks performed on all	instruments?			Yes No N/A
ICV and CCV checl	ks acceptable?		•••••	***************************************	Yes No N/A
Standards traceable	?			***************************************	Yes No N/A
-					1 1
	cceptable?				Yes No N/A
Comments:					

3. BLANKS (Levels B, C, D, and E)	
ICB and CCB checks performed for all applicable analyses? (Levels D, E)	Yes No (N/A
ICB and CCB results acceptable? (Levels D, E)	Yes No (N/A
Laboratory blanks analyzed?	Yes No N/A
Laboratory blank results acceptable?	(. Yes) No N/A
Field blanks analyzed? (Levels C, D, E)	Yes(No) N/A
Field blank results acceptable? (Levels C, D, E)	Yes No (N/A
Transcription/calculation errors? (Levels D, E)	Yes No N/A
Comments:	No FB
4. ACCURACY (Levels C, D, and E) Spike samples analyzed?	Yes No N/A
Spike recoveries acceptable?	
Sike standards NIST traceable? (Levels D, E)	
Spike standards expired? (Levels D, E)	
LCS/BSS samples analyzed?	
LCS/BSS results acceptable?	
Standards traceable? (Levels D, E)	Yes No XV
Standards expired? (Levels D, E)	
Transcription/calculation errors? (Levels D, E)	Yes No W
Performance audit sample(s) analyzed?	Yes (No) N/A
Performance audit sample results acceptable?	Yes No 10/A
Comments: M5- S4+3370 - Jall	noras

5. PRECISION (Levels C, D, and E)	
Duplicate RPD values acceptable?	
Duplicate results acceptable?	N/A
MS/MSD standards NIST traceable? (Levels D, E)	2/2 Ves No N/A
MS/MSD standards expired? (Levels D, E)	Yes No (N/A
Field duplicate RPD values acceptable?	Yes No N/A
Field split RPD values acceptable?	
Transcription/calculation errors? (Levels D, E) Comments: 4475 C-PD - 5 w	
6. HOLDING TIMES (all levels)	
6. HOLDING TIMES (all levels) Samples properly preserved?	Ves No. N/A
Sample holding times acceptable?	1 1
Comments:	\ /

RESULT QUANTITATION AND DETECTION LIMITS (all levels)	20
Results reported for all requested analyses?	Yes No N/A
Results supported in the raw data? (Levels D, E)	Yes No NA
Samples properly prepared? (Levels D, E)	
Detection limits meet RDL?	Yes No N/A
Transcription/calculation errors? (Levels D, E)	Yes No (N)
Comments:	<u> </u>

Appendix 6

Additional Documentation Requested by Client

FORM II

Date: 24-Jan-06

DUPLICATE RESULTS

Lab Name:

STL Richland

SDG:

J00041 31185

Collection Date: 1/9/2006 9:15:00 AM

Lot-Sample No.: J6A090208-1

Report No.:

Received Date:

1/9/2006 2:45:00 PM

Client Sample ID: J10VK1

COC No.:

RC-030-042

Matrix:

SOLID

Parameter	Result, Orig Ret	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA, Action Lev	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquet Size	Primary Detector
Batch: 6010446	7196_CR6			Work Order: H	VA3M1AE	Report	OB ID: HV/	A3M1ER	Orig Sa DB ID: 9	IVA3M10		
HEXCHROME	3.50E-01	U		0.0E+00	3.50E-01	mg/kg	N/A	(1.)	1/10/06		2.5	
1	3.50E-01	U	RPD	0.0		3.50E-01		N/A			G	

No. of Results: 1

Comments:

FORM II

BLANK RESULTS

Date: 24-Jan-06

Lab Name: STL Richland

Matrix: SOLID

SDG:

J00041

Report No.: 31185

Parameter	Result	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA	Rpt Unit, CRDL	Yield	Rst/MDC, Rst/TotUcert	Analysis, Prep Date	Total Sa Size	Aliquot Size	Primary Detector
Batch: 6010446	7196_CR6			Work Order	: HVEC61AA	Report DB ID: HVEC61AB						
HEXCHROME	3.50E-01	U		0.0E+00	3.50E-01	mg/kg	N/A	(1.)	1/10/06		2.5	
						3.50E-01		N/A			G	

No. of Results: 1 Comments:

000025

STL RICHLAND

FORM II

LCS RESULTS

Lab Name: STL Richland

SDG:

J00041

Date: 24-Jan-06

Matrix: SOLID

Report No.: 31185

Parameter	Result	Qual	Count Errer (2 s)	Total Uncert(2 s)	MDC MDA	Report Unit	Yield	Expected	Expected Uncert	Recovery, Blas	Analysis, Prep Date	Aliquot Size	Primary Detector
Batch: 6010446	7196_CR6			Work Orde	r: HVEC61AC	;	Report DB ID:	HVEC61	AS	 		<u> </u>	
HEXCHROME	4.08E+01			0.0E+00	3.50E-01	mg/kg	N/A	4.00E+	01	102%	1/10/06	2.5	
							Rec Limits:	80	120	0.0		G	
No. of Results: 1	Comments:												

TIS RICHLAND

FORM II

Date: 24-Jan-06

MATRIX SPIKE RESULTS

Lab Name:

STL Richland

SDG:

J00041

Lot-Sample No.: J6A090208-1

Report No.: 31185

Matrix: SOLID

Parameter	SpikeResult, Orig Rat	Qual	Count Error (2 s)	Total Uncert(2 s)	MDC MDA	Rpt Unit, CRDL	Yield	Rec-	Exp- ected	Exp Uncert	Analysis, Prep Date	Aliquot Size	Analy Method, Primary Detector
Batch: 6010446	Work Order	r. HVA	M1AC	Report DB ID:	HVA3M1CV	/ 0	rig Sa DB ID:	9HVA3M10)			··· ·	
HEXCHROME	2.46E+01			0.0E+00	3.50E-01	mg/kg	N/A	53.95%	4.56E+01		1/10/06	2.5	7196_CR6
	3.50E-01											G	
Batch: 6010446	Work Orde	r. HVA	3M1AD	Report DB ID:	HVA3M1DW	0	rig Sa DB ID:	HVA3M1C	w				
HEXCHROME	1.50E+01			0.0E+00	3.50E-01	mg/kg	N/A	33,12%	4.54E+01		1/10/06	2.5	7196_CR6
	2.46E+01											G	

Number of Results: 2

Comments:

RER

⁻ Replicate Error Ratio = (S-D)/[sqrt(sq(TPUs)+sq(TPUd))] as defined by ICPT BOA.

TIS RICHLAND

FORM II

Date: 24-Jan-06

MATRIX SPIKE DUPLICATE RESULTS

Lab Name:

STL Richland

SDG:

J00041

Lot-Sample No.: J6A090208-1

Report No.: 31185

Matrix: SOLID

Parameter	SpikeResult, Orlg Rat	Qual	Count Error (2 s)	Total Uscert(2 s)	MDC MDA	Rpt Unit, CRDL	Yield	Rec- overy	Exp- ected	Exp Uncert	Analysis, Prep Date	Aliquet Size	Primary Detector
Batch: 6010446	7196_CR6			Work Order:	HVA3M1AC	Repo	rt DB ID: H	VA3M1CW	Orig	Sa DB ID:	HVA3M1DW		
HEXCHROME	2.46E+01			0.0E+00	3.50E-01	mg/kg	N/A	53.95%	4.56E+01	1	1/10/06	25	
	1.50E+01	RPL	48.3									G	
Batch: 6010446	7196_CR6			Work Order:	HVA3M1AD	Repo	rt DB 10: H	VA3M1DW	Orig	Sa DB ID:	HVA3M1CW		
HEXCHROME	1.50E+01			0.0E+00	3.50E-01	mg/kg	N/A	33.12%	4.54E+01	l	1/10/06	2.5	
	2.46E+01	RPL	48.3									G	

No. of Results: 2

Comments: